

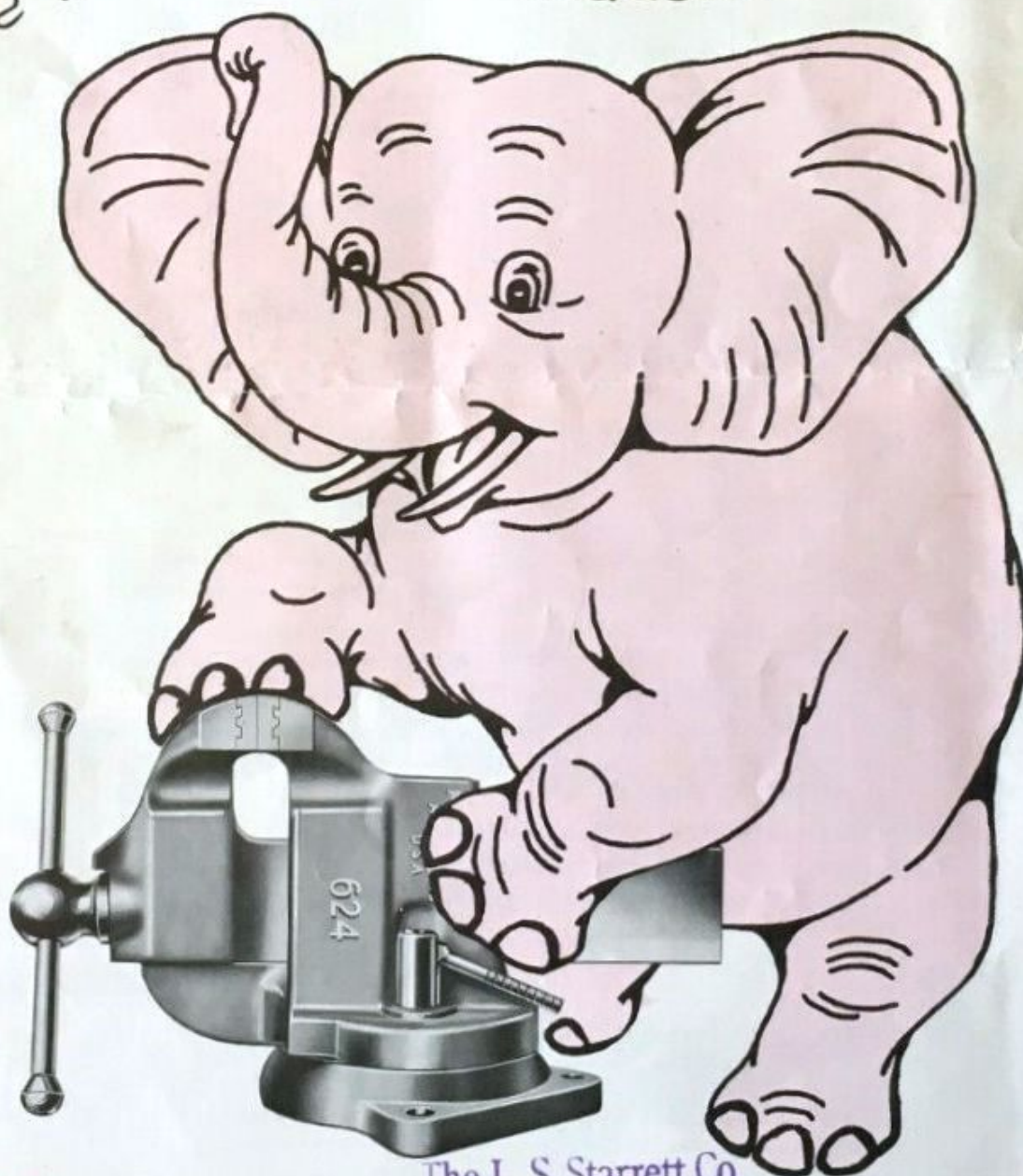
Athol

VISES

STRENGTH WHERE STRENGTH IS NEEDED

GUARANTEED SINCE 1868

The world's finest industrial vises



The L. S. Starrett Co.
ATHOL, MASS., U.S.A.

Athol

MACHINE & FOUNDRY COMPANY

ATHOL, MASSACHUSETTS

Athol

VICES ARE BUILT STRENGTH

When you buy Athol vises you get products that are engineered and built to take life-long grueling punishment. They are specifically designed for various uses, based on over 90 years of specialized vise experience.

All Athol vises are made to Athol's own rigid specifications, using carefully controlled material analysis, and meet or exceed Federal specifications. Athol standards of manufacture provide rugged dependability in the world's finest industrial vises.

This is the significance of the expression, "*strength where strength is needed*". We sincerely believe there is no better vise made than an Athol vise.

Solid construction throughout. Balanced weight concentrated where strength is needed. All Athol vises are cast in our own foundry.

SOME IMPORTANT AND EXCLUSIVE **Athol** FEATURES ARE ILLUSTRATED

- 1—**HEAVY HORN** provides added rigidity when vise is opened to full capacity. This is an Athol first.
 - 2—**BUTTRESS THREAD** adds 50% more strength at the root of the thread — where it is most needed. An Athol exclusive.
 - 3—**SWIVEL BASE** cannot slip because grooves are cast in, like an internal ring gear, and tapered DROP-FORGED clamp bolt is similarly grooved. Clamp handle is easy to operate, swings back out of the way of work. Two fingers will tighten the clamp, but two men cannot turn the vise. This is another Athol first.
 - 4—**SPRING SCREW FASTENER** holds the buttress-threaded screw tight. NO SLIP-PAGE OR BACKLASH. Wear is compensated by this spring screw, held securely by two collars and a pin. Another Athol first.
 - 5—**JAW FACINGS** are made of tool steel, machine-milled deeply, and *welded in place*. They cannot come loose, and will last as long as the vise. *There is no substitute for welded jaws.*
 - 6—**FRONT AND BACK JAWS** are made of solid cast iron.
- Optional — **RATCHET HANDLE** is useful to the toolmaker for making quick adjustments. Again, only Athol provides this feature.



BRASS VISE JAW CAPS

Designed to cover serrated jaw faces snugly to prevent marking of soft materials when held rigidly. Speedily attached and removed.

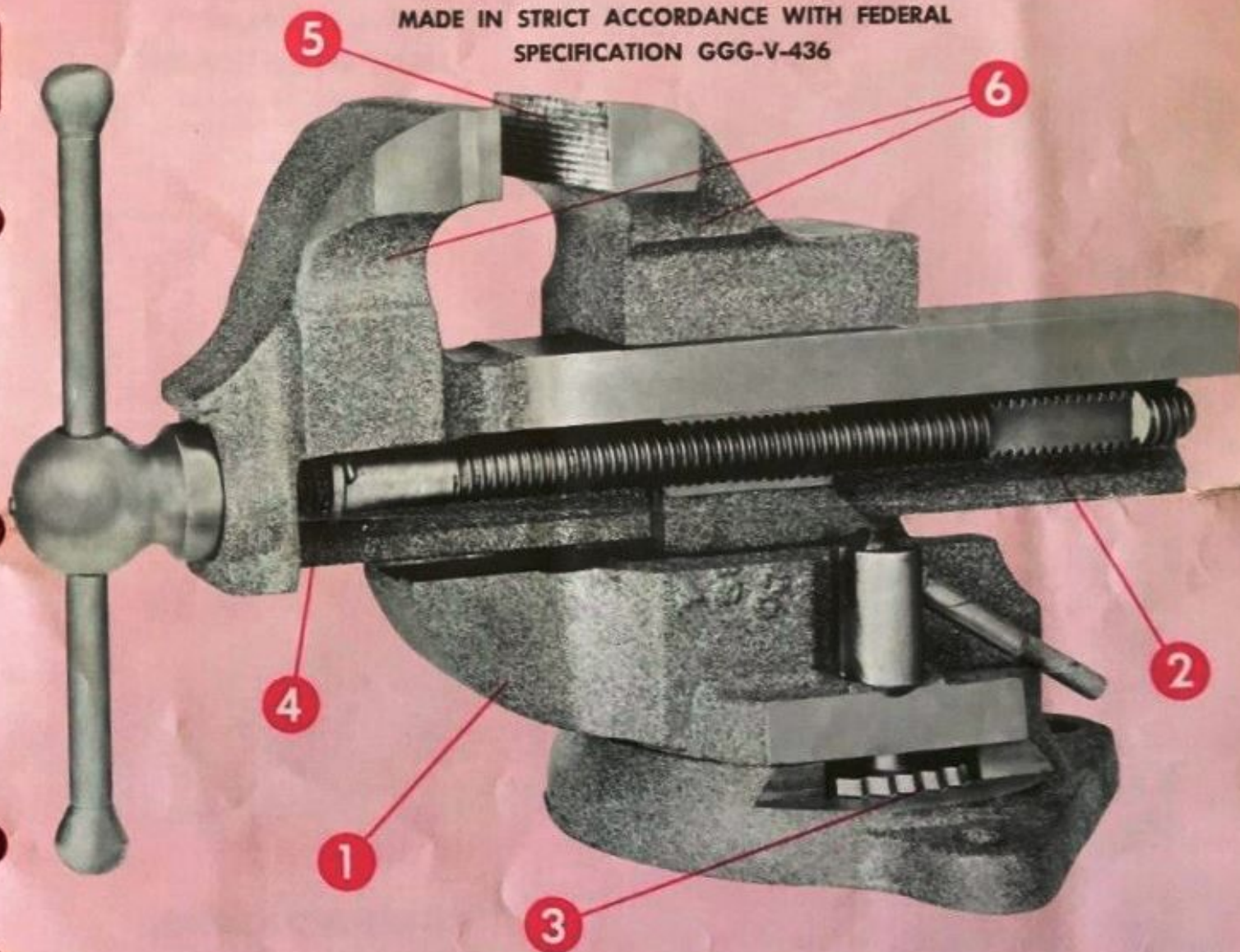
SIZE	LIST
3"	\$4.60
3 1/2"	5.40
4"	6.40
4 1/2"	7.40
5"	9.20

ALL ATHOL VISES AND PARTS ARE

FOR RUGGED, LONG-LASTING SERVICE

WHERE STRENGTH IS NEEDED

MADE IN STRICT ACCORDANCE WITH FEDERAL
SPECIFICATION GGG-V-436



ALL ATHOL VISES ARE INDIVIDUALLY PACKAGED

UNCONDITIONALLY GUARANTEED

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MACHINISTS' VISES

STRENGTH WHERE STRENGTH IS NEEDED

Meet all requirements of the smallest to the largest machine shop.
Available in three types and wide range of sizes.



STATIONARY JAW and BASE

For rugged dependability you can't beat this "work-horse". High quality at economical price.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
613	3	4	22	\$28.00
*613 1/2	3 1/2	5	30	32.00
*614	4	6	47	38.00
*614 1/2	4 1/2	7	65	48.00
*615	5	8	82	62.00
*616	6	9 3/4	148	116.00
618	8	12 1/4	257	220.00

*Can be furnished with replaceable steels if desired.

STATIONARY JAW, SWIVEL BASE

Incorporates the famous Athol positive-lock swivel. Designed for life-long service. See No. 3, page 2.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
623	3	4	27	\$36.00
*623 1/2	3 1/2	5	40	42.00
*624	4	6	57	50.00
*624 1/2	4 1/2	7	75	62.00
*625	5	8	95	84.00
*626	6	9 3/4	178	144.00
628	8	12 1/4	303	280.00

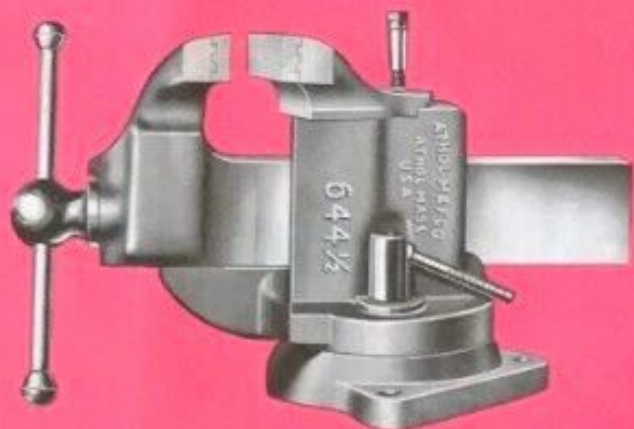
*Can be furnished with replaceable steels if desired.



SWIVEL JAW, SWIVEL BASE

Adjustable back jaw stationary with pin in place. Removal of pin allows adjustment for tapered work with maximum gripping. Especially adaptable for tool and die room for wide range of work.

Cat. No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
643 1/2	3 1/2	4 1/2	40	\$60.00
644 1/2	4 1/2	6 1/8	80	84.00
646	6	9 3/4	178	180.00



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Swivel indexing base is removable. Base accurately graduated over 180 degrees on indexing machine — **not hand stamped**. Easily set for any angle required. Vise can be easily removed from swivel base by loosening two bolts, and used as plain milling machine vise. Removable jaw facings made of hardened alloy tool steel.

Catalog No.	1024	1026	1027
Jaw Width, in.	4	6	7
Max. Jaw Opening, in.	3 1/8	4	4 3/4
Jaw Depth, in.	1 3/8	1 3/8	1 3/8
Over-all Height, with base, in.	4 3/8	5 3/8	5 3/4
Over-all Height, without base, in.	2 7/8	3 3/4	3 3/4
Swivel Base Dia., in.	8 1/4	10 1/8	11 3/8
Width, without base, in.	7 3/8	9 1/4	10 3/8
Over-all Length, in.	13 7/8	17	20 1/4
Weight, lb.	32	70	103
List Price, with base	\$62.50	\$81.50	\$136.50
List Price, without base	\$50.50	\$64.50	\$115.50

MILLING MACHINE VISES

STRENGTH WHERE STRENGTH IS NEEDED

Use them in place of expensive jigs and fixtures.
Dependable. Accurate.



116.00
98.00

DRILL PRESS AND MILLING MACHINE SPEED VISE

Designed for speed in drilling and milling. Replaces high-priced jigs and fixtures. Full movement of handle opens jaws 1/8 in. Attaching special jaws converts vise into special jig or fixture.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
813	3	4 1/8	13	\$52.00

DISCONTINUED



STANDARD DRILL PRESS VISE

Standard drill press and milling machine vise. Built for years and years of rugged service.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
913 1/2	3 1/2	4 1/2	14	\$18.75



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COMBINATION VISES

STRENGTH WHERE STRENGTH IS NEEDED

STATIONARY JAW, SWIVEL BASE

Jaws withstand strain of pipe work, made of hardened tool steel. Stands up under tough service. Easily replaceable grips do not project beyond face of vise jaws.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Pipe Size, in.	Weight, lb.	List Price
323 1/2	3 1/2	4 1/4	1/8 - 2 1/2	46	\$52.00
324 1/2 X	4 1/2	6 1/4	1/8 - 3 1/2	85	74.00
325X	5	7 1/2	1/8 - 4 1/2	115	114.00
326X	6	8 1/2	1/4 - 6	215	180.00

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HEAVY DUTY DESIGN FOR ALL CONSTRUCTION and MAINTENANCE USES

Vise is heavy enough to use in bending heavy iron bars, 5" x 4" of gripping surface, 6" depth from top of jaw to screw. Only back jaw moves, keeping work on bench. Serrated replaceable tool-steel jaws.

Catalog No.	Jaw Width, in.	Max Jaw Opening, in.	Pipe Size, in.	Weight, lb.	List Price
1115	5	7	1/8 - 6	150	\$105.00

STEAMFITTERS' VISES

STRENGTH WHERE STRENGTH IS NEEDED



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PLUMBERS' VISES

STRENGTH WHERE STRENGTH IS NEEDED

Tool-steel interlocking replaceable jaws are heat treated and milled for long-life. Heavy-duty malleable frame. Self-locking hook. Steel screw with tapered-ball end handle.

Catalog No.	Pipe Size, in.	Weight, lb.	List Price
212	1/8 - 2	10	\$12.35
212 1/2	1/8 - 2 1/2	14	14.60
213 1/2	1/8 - 3 1/2	18	22.15
214 1/2	1/8 - 4 1/2	30	28.80
216	1/8 - 6	49	65.00
218	1 - 8	81	131.50

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STATIONARY JAW, SWIVEL BASE

Designed especially for sheet-metal and wood working. Has extra-long beam and high, rigid, smooth-faced jaws to grip large pieces firmly. Made with material identical to Athol machinists' vises.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
424 1/2 X	4 1/2	10 1/2	87	\$70.00

SHEETMETAL VISES

STRENGTH WHERE STRENGTH IS NEEDED



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UTILITY VISES

STRENGTH WHERE STRENGTH IS NEEDED

Designed especially for rugged, dependable service in private garage, home workshop, farm and service station. An excellent normal-duty vise where heavy duty is not required.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
114X	4	5 1/4	30	\$23.50
114 1/2 X	4 1/2	6 1/4	41	26.75

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MACHINISTS' VISES WITH RATCHET HANDLES

STATIONARY JAW, SWIVEL BASE, or STATIONARY BASE

Suitable for tool-room or duplication work. Handle is easily set at any convenient angle for grip and leverage.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
Stationary Jaw, Stationary Base				
613RH	3	4	22	\$33.75
613 1/2 RH	3 1/2	5	30	38.50
614RH	4	6	47	45.50
Stationary Jaw, Swivel Base				
623RH	3	4	27	\$41.50
623 1/2 RH	3 1/2	5	40	48.50
624RH	4	6	57	57.50

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VICES

STRENGTH WHERE STRENGTH IS NEEDED

Replaceable Pipe Grips
Athol Exclusive Buttress Thread
360° Swivel Base
Solid Steel Sliding Bar
Athol Exclusive Locking Nut and Handle
Replaceable Tool Steel Jaws

Jaw Width	3 1/2 in.	WEIGHT
Jaw Opening	3 in.	17 1/2 lbs.
Pipe Jaw Capacity	1/8 in. to 1 1/4 in.	List \$11.50-EAST
		List \$13.25-WEST

Minimum Order, One Case—6 to Case

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STATIONARY JAW, SWIVEL BASE

The best for home workshop or garage. Unmatched features. Full 1 1/2" bearing on sides and screw. Anvil surface. Solid steel slides. Athol buttress thread. Swivel-wrench locking. Full 360 deg. swivel base. Solid-screw back-thrust collar. Tapered no-pinch handle. Replaceable pipe grips. Replaceable steel serrated jaws.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Pipe Size, in.	Weight, lb.	List Price
023	3	3	1/8 - 1	14	\$15.00
023 1/2	3 1/2	3 3/4	1/8 - 1 1/4	19	16.50
024	4	5	1/8 - 2	27	21.00

UNIVERSAL VICES

STRENGTH WHERE STRENGTH IS NEEDED



PRECISION INSTRUMENT

VICES

STRENGTH WHERE STRENGTH IS NEEDED

For makers of small precision instruments. Same high-quality workmanship and material as Athol machinists' vises. Made with ground smooth jaws only.

Catalog No.	Jaw Width, in.	Max. Jaw Opening, in.	Weight, lb.	List Price
622 1/2	2 1/2	3 1/2	16	\$28.40

YOUR DISTRIBUTOR

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